



500.30304C15

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: ARAI et al

Serial No.: 10/734,302

Filed: December 15, 2003

For: Digital Information Recording/Reproducing Apparatus

Group: 2653

Examiner: T. Dinh

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop: DD  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

January 15, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the fee of \$180.00 set forth in 37 CFR 1.17(p).

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language abstract.

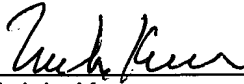
It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this

paper, including extension of time fees, to the deposit account of Antonelli, Terry,  
Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 500.30304C15), and  
please credit any excess fees to such deposit account.

Respectfully submitted,

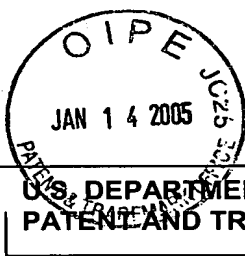
ANTONELLI, TERRY, STOUT & KRAUS, LLP



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Melvin Kraus  
Registration No. 22,466

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(703) 312-6600  
Attachments

Form PTO-1449  
EquivalentU.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DKT. NO.  
500.30304C15SERIAL NO.  
10/734,302INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

## APPLICANT

ARAI et al

## FILING DATE

December 15, 2003

## GROUP

2653

## U.S. PATENT DOCUMENTS

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						

## U.S. PATENT APPLICATIONS

	Publication Number	Name	Publication Date
AI			
AJ			
AK			
AL			

## FOREIGN PATENT DOCUMENTS

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
AM	61-152180	7/86	Japan			Abstract	
AN	64-073560	3/89	Japan			Abstract	
AO							
AP							
AQ							

## OTHER DOCUMENTS

AR	
AS	
AT	

Examiner

Date Considered